

Date: Tue, 2 Nov 93 04:30:08 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1302
To: Info-Hams

Info-Hams Digest Tue, 2 Nov 93 Volume 93 : Issue 1302

Today's Topics:

 Best way to learn code?
 Bird watt-meters can't be exported?
 EMI/RFI from Hidden Fence
 FT530/TH78A info requested
 How to calibrate a DVM (2 msgs)
 Mobile Transceiver Installation Guide?
 Repeater Trivia Question.
 setting up a work bench. (2 msgs)
 STS-58 QSL
 Studying in San Francisco
 Tom McMullen, W1SL, Silent Key
 Who is the guy broadcasting from the Belgrade Lakes?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 1 Nov 93 20:15:53 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
newsserver.jvnc.net!a3bee2.radnet.com!cyphyn!randy@network.ucsd.edu
Subject: Best way to learn code?
To: info-hams@ucsd.edu

post testing

 sorry for borrowing your topic, but it's the only one thats
still alive here.

We apparently have a lid who got into the posting system and its being

```
--
Randy KA1UNW           If you get a shock while
                        servicing your equipment,           "Works for me!"
randy@192.153.4.200    DON'T JUMP!                           -Peter Keyes
                        You might break an expensive tube!
```

```
> : >>>>So, what's with the "Not available for export" notation across the
> : >>>>photo of the Bird meter in the Barry ads? Too delicate? Upsets
> : >>>>someone's monopoly? Munitions? Classified equipment?
> : >>>
> : >>>The meter would have to be recalibrated to read foreign watts.
> : >>>
> : >>>
>
>
> : >>Don't be silly. There is no such thing as foreign watts.
>
> : >>For export, you need to recalibrate the Bird wattmeters to read
> : >>in voltage watts, not current watts.
>
>
> : no, boys and girls. the problem is that the coriolis effect would have the
> : meter rotating backwards in the southern hemisphere.
>
> Does that mean that it won't work when you're exactly over the equator?
```

```

= = = = =
-      Miles Abernathy, N5KOB      =
| |__ miles@mbs.telesys.utexas.edu =
_|    | POB 7580, Austin TX 78713  =
\  *  / University of Texas @ Austin =
 \ /   tel. (512) 471-6521  U.S.A.  =
= = = = =

```

Date: 1 Nov 93 15:41:24 EST

From: psinntp!arrl.org@uunet.uu.net
Subject: EMI/RFI from Hidden Fence
To: info-hams@ucsd.edu

Info on Interference From "Hidden Fence"

Several members have reported interference from a new product called the "Hidden Fence." This product uses a VLF transmitter, a large perimeter loop, a receiver on a dog collar and a shock device to help teach a dog to remain within your property lines. (No flames, please -- I just report 'em. I don't even have a dog! I like cats! Uh, oh -- another flame war!)

Earlier versions of this were marketed without FCC approval and may generate interference to much of the HF band. The interference is characterized by a pulsing harmonic (like CW dits) every 35 kHz or so. I contacted the Hidden Fence Company and was told that a "suppressor kit" is available free of charge. When you call, it is a good idea to ask for "Cheri" because others may not know about the suppresser kit.

The ARRL RFI desk (that's me!) is looking for any report from someone who can verify that this suppresser kit is effective. Contact me here at HQ by phone, letter or email (ehare@arrl.org).

Hidden Fence Pet Containment, Co.
1725 NW 33rd St
Pompano Beach, FL 33064
(305) 972-6791
(305) 972-9833
(800) 226-4896

If anyone has any difficulty obtaining the suppresser kit, ask to speak with Bruce Pagano.

73 from ARRL HQ, Ed

Ed Hare, KA1CV
American Radio Relay League
225 Main St.
Newington, CT 06111
(203) 666-1541 - voice
ARRL Laboratory Supervisor
RFI, xmtr and rcvr testing

ehare@arrl.org

If you tie a strip of colored cloths to
part of your body, the tribe acts
differently!

Date: 1 Nov 93 20:00:35 GMT
From: rtech!ingres!kerry@decwrl.dec.com
Subject: FT530/TH78A info requested
To: info-hams@ucsd.edu

I would appreciate feedback on the FT530, TH78A, and any other 2m/440 HTs. I would especially like to hear about squawks, dislikes, etc.
Thanks in advance.

kerry@ingres.com

Date: 1 Nov 1993 19:39:15 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!nigel.msen.com!ilium!gdls.com!
usenet@network.ucsd.edu
Subject: How to calibrate a DVM
To: info-hams@ucsd.edu

I have three digital voltmeters in my shack, none of which agree with the others.

The problem I have is how to calibrate the voltage. I have heard that mercury cells like those used in cameras are quite stable and consistent in voltage and that they can be used to calibrate a meter.

Has anyone had experience with this? Will it work? Is there a better way?

Thanks

Bill

Date: 1 Nov 93 20:10:04 GMT
From: utcsri!utnut!torn!news2.uunet.ca!math.ohio-state.edu!news.acns.nwu.edu!casbah.acns.nwu.edu!rdewan@rutgers.rutgers.edu
Subject: How to calibrate a DVM
To: info-hams@ucsd.edu

In article <2b3ol3\$np@gdls.gdls.com>, Bill Turini <turini@gdls.com> wrote:
>I have three digital voltmeters in my shack, none of which agree with
>the others. The problem I have is how to calibrate the voltage. I
>have heard that mercury cells like those used in cameras are quite
>stable and consistent in voltage and that they can be used to calibrate
>a meter.Has anyone had experience with this? Will it work?
>Is there a better way?

Many companies make precision voltage reference zeners. For example National has LM336 5v unit with +-1% initial tolerance. This is available from Digikey for a nominal amount. (less than \$2?) They also have other more exotic, ovenized sources with tighter tolerances. I suspect that they cost more.

The circuit is simple:

```

                +2.5v  -
                |      |
+5v-----/\//\//\--*--|<--*-----/// ground
                2.5K    LM336
```

BTW, the LM336 is a three lead device, commonly packaged in the T092 style. The third lead is used for temperature compensation and can be ignored for your purposes.

Rajiv
aa9ch
r-dewan@nwu.edu

Date: Mon, 1 Nov 1993 21:04:50 GMT
From: fluke!pwl@beaver.cs.washington.edu
Subject: Mobile Transceiver Installation Guide?
To: info-hams@ucsd.edu

I just purchased a 1994 Ford Ranger pickup and I want to transfer my 2-meter mobile rig to it. Does anyone know if Ford has any literature available recommending how to install two-way radio equipment? This is a fuel-injected vehicle, so I want to take whatever steps are necessary to avoid upsetting the vehicle control electronics. I know I've seen postings in the past about such literature, but I think it was for General Motors vehicles.

I looked at the ARRL "auto-list" and called the number listed for Ford. They didn't know of any such literature. I wouldn't be surprised to find that such documentation exists and the answerline folks just aren't aware of it.

So, anyone out there got a secret literature number you would like to share with us? Thanks in advance.

Paul Lutt
KE7XT
--
Paul Lutt

Domain: pwl@tc.fluke.COM
Voice: +1 206 356 5059
UUCP: uunet!fluke!pwl
Snail: Fluke Corporation / P.O. Box 9090 / Everett, WA 98206-9090

Date: 1 Nov 1993 20:56:04 GMT
From: orca.es.com!olin!alan@uunet.uu.net
Subject: Repeater Trivia Question.
To: info-hams@ucsd.edu

In article <2b3b7g\$me0@gdls.gdls.com> turini@gdls.com (Bill Turini) writes:
>Who put the first amateur repeater on the air? When? Where? and what band?
>
>No prize to the winner, only everlasting gratitude :-)
>
>73's
>
>Bill

The first amateur radio repeater that I am aware of was put on the air about 1957 or 1958 or so on the 2 meter band. It was AM, not FM, and was located in the Hollywood Hills overlooking the San Fernando Valley and the Los Angeles basin. In those days, 2 meters was still a Novice phone band, but oddly enough, Technicians were not permitted to use 2 meters. There were quite a few hams, incidentally, who got both their Novice and Technician licenses at the same time, but their Novice station call had an N in it (preceding the numeral), and their Technician station call did not. The Novice license was only good for one year and was not renewable. All of the other licenses at that time were good for 5 years and were renewable. The callsign of the repeater was K6MYK, and the repeater itself was quite a contraption - housed in a 6 foot rack - all homebrew. The input frequency was 145.18 and the output frequency was up around 147.8 or thereabouts. There was lots of 2 meter activity in the LA area at the time, and the repeater became very popular. A little later, K6TRU also put an AM repeater on the air. He was very intolerant of the antics of some of the users and would often shut down his repeater when things got out of hand. K6MYK may have built one of the first repeaters in the U.S., but I am not certain.

--
Alan Brubaker, K6X0 |~|_ "Pumps have handles, Hams have names;
<IYF disclaimer> | * |mine's Lee, what's yours?" - Lee Wical,
Internet: alan@dsd.es.com|____|KH6BZF, the Bloomin' Zipper Flipper.

Date: 1 Nov 93 16:07:35 CST
From: timbuk.cray.com!hemlock.cray.com!cherry10!dadams@uunet.uu.net
Subject: setting up a work bench.
To: info-hams@ucsd.edu

I think I need to build a workbench down stairs as one of my first projects. Any suggestions as far as what to think ahead about design wise? I intend to buy some cheap lumber at Knox or Menards etc. They have a workbench kit based on 2x4's. Also shelve frames etc.

(I probably ought to have something to clip an anti static wrist strap to for one.)

I think I want to place some rugged shelves above the workbench to place (possibly heavy) test equipment, parts, reference books, etc. (The scope I just got is heavy, and I don't want to move it around much. I would like to be able to set it on the shelf and just use it there most of the time. I suppose there will be plenty of times when the piece of work is bigger and heavier than the scope. Hmm, maybe I could put wheels on the workbench? This would let me move it around downstairs, but I would still need to remove it if I want to take it out to the garage etc.)

The basement has tile floor on cement. I don't think that would be too conducive to static. Is there anything else I ought to think of this way?

I wonder if I should try to have some strong ground material there. I can't really drive a copper pole into the ground there, but I could have some iron pipes to hang things on and I could attach test equipment to these with bradded metal strips, and attach these to the main water pipe or sewer pipe? I don't know if this is useful. If I get HF equipment installed there and an antenna connection anywhere near it might prevent some lightening damage if the lightening strike is not to close.

Any other suggestions about where to place things?

Sourdough and Ham	KG0IO/AE				-----	
--David C. Adams	dadams@cray.com					obten comida,
Statistician						y sal de aqui!
Cray Research Inc.					____/	
					(____)	
					.. .	
					. . :.	

Date: Tue, 2 Nov 1993 01:54:54 GMT

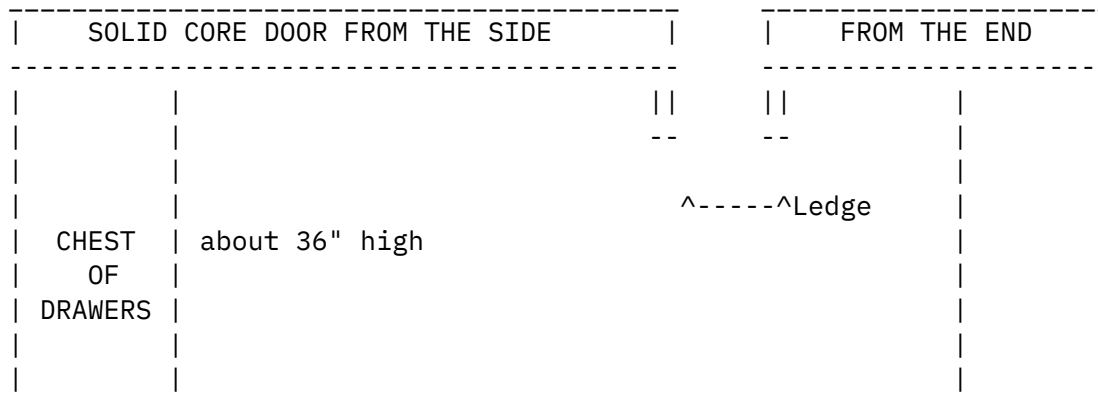
From: olivea!sgigate.sgi.com!odin!chuck.dallas.sgi.com!adams@uunet.uu.net
Subject: setting up a work bench.
To: info-hams@ucsd.edu

In article <2b440p\$gcf@newscast.West.Sun.COM>, stan@service.West.Sun.COM writes:

```
|> David,  
|>  
|> I made a heavy duty bench out of a solid core door and saw horses, the door  
|> had a deep nick on one side so I got it for 1/2 price ($20). A new 36"wide  
|> door should be under $40 at most discount houses.  
|>  
|> Stan  
|> kb6rqz  
|>  
|>
```

I agree with Stan. Use a solid core door. I have mine in the corner. Build a ledge for the door to ride on against the wall. I use an unfinished 4 drawer small dresser for the corner, thus the ledge is at the same height as the chest. Use L-brackets to hold door to the ledge.

So from the front it looks like: (to the best of my ASCII drawing ability)



Not drawn to any scale known to man. :-)

The right side and back of door is held up on the wall by a ledge made from 1x4 boards nailed to wall studs and attached to door by L-brackets. Florescent light above the workbench for good lighting. Stain door and chest of drawers to suit. Cheap set of drawers, but let your budget be your guide. Use bar stool to work at the bench. Mine has been up six years and no warp to door that I can tell. Use it for laying out model airplane wings too. :-)

Works for me. 73

--

SIG

-----cut here-----

Chuck Adams, K5FO - CP60

adams@sgi.com

QRP ARCI Awards Chairman

Date: Mon, 1 Nov 1993 17:28:51 GMT

From: mdisea!mothost!lmpsbbs!news@uunet.uu.net

Subject: STS-58 QSL

To: info-hams@ucsd.edu

In article AA28548@panther.warm.inmet.com, leber@panther.warm.INmet.COM (Thomas Leber) }At any rate, my question is:

}Can I get a shuttle QSL for a reception-only report?

YES!

}Where do I send the report? Should I include a SASE or stamps?

Send the card to the ARRL. Indicate SWL on the bottom right of the envelope. Include an SASE. Above the address put STS58 QSL Card, so it gets properly routed.

Bruce, WB4YUC, e1 YUCC0. . .

}Thanks in advance,

}

}Tom Leber

}N3QKV

Date: 2 Nov 93 04:19:01 GMT

From: ogicse!uwm.edu!spool.mu.edu!umn.edu!csus.edu!netcom.com!

msattler@network.ucsd.edu

Subject: Studying in San Francisco

To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

: msattler@netcom.com (Michael Sattler) writes:

: >

: >Thanks for the reply. If what you say is true, then why do so many

: >people (including the military) mount huge whip antennae with shiny
: >loading coils on their bumpers?

: Because if they mounted those huge whips on the top they'd hit every
: highway overpass in the country. As I said, *when mechanically feasible*,
: the best place to mount an antenna is in the center of the roof.

I guess I'm not understanding the most basic part of this issue.
How much of an advantage does a huge whip offer over, say, a Diamond
roof-top (3 db gain on 2 meters, 5 db gain on 70 cm) antenna?

--

Michael S. Sattler msattler@netcom.com +1 (415) 621-2903
Digital Jungle Software Encrypt now; ask me how. (finger for PGP key)

 All that is required for evil to triumph is
 for {wo}men of good will to do nothing.

Date: Mon, 1 Nov 1993 17:42:05 GMT
From: mdisea!mothost!lmpsbbs!news@uunet.uu.net
Subject: Tom McMullen, W1SL, Silent Key
To: info-hams@ucsd.edu

In article 2546@arrl.org, jkearman@arrl.org (Jim Kearman) writes:

While at Motorola, Tom helped provide
{a 2-meter handheld for use by Shuttle astronaut Owen Garriott,
}W5LFL.

I worked with Tom on that project, then named AMRAD. He wrote the article that
appeared
in QST for our club. He also worked on the board layout for the radio interface
box.

I'll never forget the sparkle in his voice the day we headed up to see the launch
of STS-9.

The child-like enthusiasm and the excitement of being a part of something so large
and important to ham radio. . . Indeed we have lost someone to be looked up to and
emulated in all aspects of life.

Respectfully,
Bruce Burke, WB4YUC
AMRAD/SAREX Team Member

}People like Tom are too few. Not just amateur radio,
}but the world at large, has lost a good man.

}

}73,

}Jim, KR1S

}

}--

}jkearman@arrl.org

Date: 1 Nov 1993 21:15:01 GMT

From: orca.es.com!olin!alan@uunet.uu.net

Subject: Who is the guy broadcasting from the Belgrade Lakes?

To: info-hams@ucsd.edu

In article <1993Nov1.145826.10605@merlin.dev.cdx.mot.com>

davidk@merlin.dev.cdx.mot.com (David Kirkpatrick) writes:

>

>comming from the Belgrade Lakes area of Maine. I believe
>the guys name was Glen ... and he seemed to be broadcasting
>a political agenda. Does anyone know how this person can
>broadcast in such a manner and also what is his goal?

Glen Baxter, K1MAN, has been transmitting bulletins for several years now. I think that he has been trying to put together an alternative amateur radio organization, and I think that he may have a small following. His IARN (International Amateur Radio Network) has been on the air on 10, 20 and 75 meters, and perhaps some other bands as well. As far as I know, these are one-way transmissions, and I have never heard him field questions from his listeners. I do not listen to him very often, but now and then I run across his bulletins and I listen for a while if it is something interesting.

--

Alan Brubaker, K6X0 |~|_ "Pumps have handles, Hams have names;
<IYF disclaimer> | * |mine's Lee, what's yours?" - Lee Wical,
Internet: alan@dsd.es.com|____|KH6BZF, the Bloomin' Zipper Flipper.

End of Info-Hams Digest V93 #1302

